

AIRPORT MODERNIZATION PLAN

Department of Transportation, Airports Division

FACT SHEET

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As an island state, Hawai'i relies heavily on air transportation for our residents and visitors. The State Strategic Tourism Plan, the final report of the Economic Momentum Commission and numerous others have recommended significant and immediate upgrades to Hawai'i's major airports.

The Department of Transportation, Airports Division, together with the Airlines Committee of Hawai'i, has developed a comprehensive system wide modernization plan that is based upon demand, and most importantly, is financially feasible.

GOAL

- To create a 'world class' airport transportation system that meets the needs of our residents and visitors today and into the future.
- The phased modernization plan will create efficiencies and effectiveness in operations and increase the level of satisfaction for our residents and visitors.

CHALLENGES

- Air traffic to the state has changed over the past few years and more transpacific flights are flying direct to Kahului, Lihue and Kona airports. The old model of a hub-and-spoke air transportation system for the State of Hawaii is no longer appropriate.
- Airports on the neighbor islands were not designed to accommodate the large number of wide-body aircrafts currently serving these destinations. Kahului, Kona and Lihue airports need additional gates and ticket lobby spaces.
- Many of the aircraft gates at Honolulu International Airport are over 30 years old and need to be replaced with more modern and convenient facilities.
- Airports were not designed for the security measures that are in place today. Explosive Detection System (EDS) and Explosive Trace Detection (ETD) machines for baggage screening are congesting the ticket lobbies and need to be relocated. Passenger checkpoints are undersized to handle the growing number of trans-pacific flights and to meet the Transportation Security Administration (TSA) needs.
- Demand for Commuter Terminal and General Aviation facilities is growing at a rapid pace.
- Existing parking facilities are inadequate to accommodate the increased demand.

- Infrastructure is beyond replacement age. Water, sewer, drain and fire sprinkler lines have not been replaced since their original construction and are beginning to deteriorate. Escalators, elevators, jet bridges, and air conditioning systems are in need of replacement. Electrical systems are close to capacity and need to be upgraded.
- Airports need to be in compliance with Environmental Protection Agency's (EPA) environmental and Federal Aviation Administration's (FAA) certification measures such as storm water compliance, runway safety areas, perimeter security, and crash fire safety requirements.

STRATEGY

- Meet the current and forecasted demand for air transportation service by providing facilities that are cost-effective, functional, efficient, flexible, and safe.
- Leverage growing public-private cooperation between the airport system and its key stakeholders to forge consensus and make rapid progress.
- Implement short-term projects, within the next 5 years, to improve passenger service, increase security and operational efficiency, and ensure regulatory compliance.
- Advance long-term construction program, beyond 5 years, to increase capacity, convenience and efficiency.
- Create a hospitable environment with a 'Hawaiian Sense of Place' within our airports.

FINANCIAL PLAN

- Projected Capital Expenditures for the program in the next 12 years is \$2.3 billion.
- General Funds will not be used for the airport modernization program.
- Plan of finance for the modernization program will consider all sources of funds which include airport special funds, revenue bonds, FAA Airport Improvement Program (AIP) entitlements and discretionary grants and Passenger Facility Charges (PFC).
- Existing unrestricted cash reserves of \$415 million will likely be utilized first; FAA AIP funds will generate approximately \$30 million per year; PFC's will generate approximately \$35 million per year. Additional revenue bond debt, estimated at \$1.5 billion, will be required to complete the program.

HONOLULU INTERNATIONAL AIRPORT (HNL)

The ongoing modernization plan accommodates future growth, improves operational efficiencies and passenger convenience and experience

Short-Term Projects (within 5 years)

Increase passenger service

- Modernize the Flight Information Display System, Public Address System, and install a new Gate Management System which will be ADA compliant by providing visual paging capabilities
- Construct a new parking structure which will provide 1,000 additional parking spaces
- Construct a 3rd Level Ewa Concourse International Arrivals Corridor with moving walkways which will reduce the reliance of the wiki-wiki buses for international arrivals
- Procure new buses which will replace the aging and obsolete wiki-wiki buses
- Develop and implement an intra-terminal signage program which will provide better way-finding for passengers
- Replace the ceiling in the International Arrivals Building

Increase operational efficiency

- Replace the air conditioning chilled water loop and Diamond Head chiller plant
- Replace elevators and escalators
- Replace jet bridges
- Upgrade electrical systems
- Resurface taxiways
- Replace leaking roofs within the terminal
- Replace airfield lighting and signage
- Improve the utility infrastructure

Increase Security

- Modernize the security access control and video monitoring systems
- Construct an in-line Explosive Detection System (EDS)

Compliance adherence

- Improve storm water drainage systems
- Install wash water containment systems
- Improve Aircraft Rescue and Fire Fight (ARFF) stations and training pits

Long-Term Projects (5 to 12 years)

- Construct additional gates
- Construct an Automated People Mover system

KAHULUI AIRPORT (OGG)

As the second busiest airport within the airport system, OGG continues to serve the growing non-stop trans-pacific markets. The plan will redevelop OGG to meet current and forecasted demand to preserve its value and economic vitality.

Short-Term Projects (within 5 years)

Increase passenger service

- Expand the ticket lobby and number of check-in positions
- Replace the Flight Information Display System and Public Address System
- Construct new airport access road to Hana Highway
- Improve the heliport facilities
- Improve the commuter terminal facilities

Increase operational efficiency

- Replace the air conditioning chiller plant
- Replace elevators and escalators
- Replace jet bridges
- Upgrade air conditioning and electrical systems
- Resurface runways and taxiways
- Construct an Alien Species Detection facility and cargo buildings
- Expand aircraft apron to service cargo and alien species facilities
- Replace airfield lighting and signage

Increase Security

- Modernize the security access control and video monitoring systems
- Construct an in-line Explosive Detection System EDS
- Improve the airport perimeter road

Compliance adherence

- Improve storm water drainage systems
- Improve runway safety area

Long-Term Projects (5 to 12 years)

- Construct additional gates
- Increase holding room capacity
- Construct a new centralized passenger security checkpoint
- Expand public parking facilities
- Construct additional ramp space

KONA INTERNATIONAL AIRPORT AT KEAHOLE (KOA)

While continuing to serve the growing trans-pacific markets with direct service, the plan will redevelop KOA to meet current and forecasted demand as the gateway to one of Hawaii's finest tourist destinations while retaining the architectural integrity of the existing structure.

Short-Term Projects (within 5 years)

Increase passenger service

- Upgrade terminal facilities
- Expand the public parking facility

Increase operational efficiency

- Resurface taxiways
- Replace airfield lighting and signage

Increase security

- Modernize the security access control and video monitoring systems
- Construct an in-line Explosive Detection System (EDS)
- Improve the airport perimeter road and fence

Compliance adherence

- Improve storm water drainage systems
- Construct an Aircraft Rescue and Fire Fighting (ARFF) Regional Training facility

Long-Term Projects (5 to 12 years)

- Construct wide-body aircraft gates accessible by jet bridges
- Construct new ticket lobby and baggage claim facility
- Develop plans for a new Federal Inspection Services (FIS) facility
- Construct a new centralized passenger security checkpoint

HILO INTERNATIONAL AIRPORT (ITO)

ITO needs modest improvements and upgrades due to its aging infrastructure.

Short-Term Projects (within 5 years)

Increase security

- Modernize the security access control and video monitoring systems
- Construct in-line Explosive Detection System (EDS)
- Improve the airport perimeter fence

Increase operational efficiency

- Replace elevators and escalators
- Replace jet bridges
- Upgrade electrical systems
- Resurface taxiways
- Replace airfield lighting and signage

Compliance adherence

- Improve storm water drainage systems

Long-Term Projects (5 to 12 years)

- Expand public parking facility
- Improve frontal road circulation
- Construct cargo facilities

LIHUE AIRPORT (LIH)

While continuing to serve the growing direct non-stop trans-pacific markets, the plan will modernize LIH to meet current and forecasted demand.

Short-Term Projects (within 5 years)

Increase passenger service

- Replace hold room seating
- Improve baggage claim facility
- Improve the heliport facilities
- Construct additional ramp space

Increase security

- Modernize the security access control and video monitoring systems
- Construct in-line Explosive Detection System (EDS)
- Improve the airport perimeter road and fence

Increase operational efficiency

- Upgrade air conditioning system
- Replace elevators
- Resurface runways and taxiways
- Repair Main Terminal roof
- Replace airfield lighting and signage

Compliance adherence

- Improve storm water drainage systems
- Improve runway safety area

Long-Term Projects (5 to 12 years)

- Expand public parking facility
- Expand passenger security checkpoint
- Develop a plan to construct additional gates

OTHER STATEWIDE AIRPORTS (within the next 5 years)

- Complete airfield improvements, safety and security enhancements, and infrastructure upgrades.